

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	508	702/41.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/17 08:18
L8	301	701/80.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/17 10:07
L10	79	73/1.09.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/17 10:10
L11	301	701/80.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/17 10:12
L12	305	701/84.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/17 10:13
L13	2084	701/41.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/17 10:13
L14	3229	1 or 8 or 10 or 11 or 12 or 13	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/17 10:13
L15	1413699	lateral	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/17 10:13
L16	1173	14 and 15	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/17 10:14

L17	3207	(restoring or (self-aligning)) near (torque or moment)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/17 10:15
L18	7	16 and 17	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/17 10:15
S14	1149	(lateral near3 force) with torque	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 14:47
S15	44	(determin\$5 or calculat\$3 or find\$3 or arriv\$3) near2 (lateral near3 force) with torque	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 14:48
S16	24382	torque with steering	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 14:57
S17	0	torque same (lateral near2 force) same ((kingping adj inclination) or (caster adj angle)) same ((rolling adj resistance) or (brake adj force) or (driving) or (vertical near2 force))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 15:00
S18	6	torque same ((kingping adj inclination) or (caster adj angle)) same ((rolling adj resistance) or (brake adj force) or (driving) or (vertical near2 force))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 15:00
S19	0	torque with ((kingping adj inclination) or (caster adj angle)) same ((rolling adj resistance))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 15:03
S20	0	torque same ((kingping adj inclination) or (caster adj angle)) same ((rolling adj resistance))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 15:03

S21	80	torque same ((kingping adj inclination) or (caster adj angle))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 15:04
S22	32	torque with ((kingping adj inclination) or (caster adj angle))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 15:04
S23	98601	torque with ((rolling adj resistance) or (brake adj force) or (driving) or (vertical near2 force))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 15:04
S25	4	S22 and S23	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 15:05
S26	1	S15 and S25	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 15:08
S27	131	((kingping adj inclination) or (caster adj angle)) same ((rolling adj resistance) or (brake adj force) or (driving) or (vertical near2 force))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 15:11
S28	448	((kingping adj inclination) or (caster adj angle)) and ((rolling adj resistance) or (brake adj force) or (driving) or (vertical near2 force))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 15:12
S29	30855	lateral near2 force	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 15:12
S30	56	S28 and S29	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 15:12

S31	626	(determin\$5 or calculat\$3 or find\$3 or arriv\$3) near2 (lateral near3 force)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 15:13
S32	2	S28 and S31	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 15:14
S33	667951	torque	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 15:15
S34	40	S30 and S33	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 15:15
S35	60	((kingping adj inclination) or (caster adj angle)) and ((rolling adj resistance) or (brake adj force) or (vertical near2 force))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 15:18
S36	7	S29 and S35 and S33	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 15:18
S37	5	(total near3 torque) with ((lateral) near2 torque)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 15:25
S38	6576	(total near3 torque)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 15:46
S39	2	S35 and S38	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 15:46
S40	3603558	automotive or automobile or car or vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 15:47

S41	3298	S38 and S40	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 15:48
S42	71	((kingping adj inclination) or (caster adj angle)) and ((rolling adj resistance) or (brake adj force) or (vertical near2 force) or (driving adj power))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 15:48
S43	2	S38 and S42	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 15:49
S44	2777	(lateral and vertical) near2 force	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 15:49
S45	12	S41 and S44	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 15:49
S46	16	S38 and S44	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 15:52
S47	133	((kingping) or (caster adj angle)) and ((rolling adj resistance) or (brak \$3 adj force) or (vertical near2 force) or (driving adj power))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 15:54
S48	1224	((kingping) or (caster)) and ((rolling adj resistance) or (brak\$3 adj force) or (vertical near2 force) or (driving adj power))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 15:55
S49	9	S38 and S48	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 15:55

S50	1292	((kingping) or (caster)) and ((rolling adj (resistance or friction or drag)) or (brak\$3 adj force) or (vertical near2 force) or (driving adj power))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 16:07
S51	9	S38 and S50	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 16:07
S52	6141	((kingping) or (caster)) and ((rolling adj (resistance or friction or drag)) or (brak\$3) or (vertical near2 force) or (driving adj power))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 16:07
S53	15	S38 and S52	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 16:08
S54	2880	(lateral and vertical) near2 (force or torque)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 16:13
S55	21	S38 and S54	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 16:13
S56	54	((kingping) or (caster)) and ((rolling adj (resistance or friction or drag)) or (brak\$3) or (vertical near2 force) or (driving adj power))) with torque	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 16:16
S57	6	((kingping) or (caster)) and ((rolling adj (resistance or friction or drag)) or (brak\$3) or (vertical near2 force) or (driving adj power)) and (lateral near2 force)) with torque	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 16:19

S58	6	((king\$1ping) or (caster)) and ((rolling adj (resistance or friction or drag)) or (brak\$3) or (vertical near2 force) or (driving adj power)) and (lateral near2 force)) with torque	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 16:20
S59	507	702/41.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 16:26
S60	23621	brak\$3 near2 torque	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 16:29
S61	14366	S40 and S60	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 16:30
S62	923	S38 and S61	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 16:30
S63	44	(determin\$5 or calculat \$3 or find\$3 or arriv\$3) near2 (lateral near3 force) with torque	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 16:31
S64	2	S62 and S63	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 16:31
S65	626	(determin\$5 or calculat \$3 or find\$3 or arriv\$3) near2 (lateral near3 force)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 16:33
S66	63	S60 and S65	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 16:33

S67	16	kingpin near2 torque	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 16:43
S68	28	("0962257" "1745117" "2657535" "2690916" "3111103" "3171298" "3183992" "3373631" "3426612" "3583515" "3628487" "3636794" "3695204" "3848885" "3882954" "3958656" "3996742" "4051766" "4079805").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/10 16:45
S69	16	"3333863"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/10 16:45
S70	27	(caster adj angle) with torque	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/10 16:49
S71	27	(determin\$5 or calculat \$3 or find\$3 or arriv\$3) near1 (lateral near3 force) with torque	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 17:10
S72	147	((determin\$5 or calculat \$3 or find\$3 or arriv\$3) near1 (lateral near3 force)) and torque	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 17:14
S73	85699	harada.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 17:18
S74	4	"6799470"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 17:19
S75	235	((determin\$5 or calculat \$3 or find\$3 or arriv\$3) near2 (lateral near3 force)) and torque	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/10 17:43
S76	235	((determin\$5 or calculat \$3 or find\$3) near2 (lateral near3 force)) and torque	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 09:06

S77	133	((determin\$5 or calculat\$3 or find\$3) near1 (lateral near2 force)) and torque	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 09:06
S78	14770	steering near2 force	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 09:17
S79	3403	torque with (steering near2 force)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 09:18
S80	2353	torque with (steering near1 force)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 09:18
S81	830	torque with (lateral near1 force)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 09:19
S82	1175	torque with (lateral\$2 near2 force)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 09:19
S83	2383	torque with (steer\$3 near1 force)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 09:19
S84	35	S82 and S83	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 09:19
S85	5669	total near2 torque	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 09:34
S86	45	S82 and S85	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 09:35

S87	3213	total adj torque	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 09:50
S88	18	S82 and S87	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 09:50
S89	577	((determin\$5 or calculat \$3 or find\$3) near2 (lateral\$2 near2 force))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 09:57
S90	671	((determin\$5 or calculat \$3 or find\$3 or estimat \$3) near2 (lateral\$2 near2 force))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 09:57
S91	711	((determin\$5 or calculat \$3 or find\$3 or estimat \$3 or deriv\$3) near2 (lateral\$2 near2 force))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 09:58
S92	720	((determin\$5 or calculat \$3 or find\$3 or estimat \$3 or deriv\$3 or predict \$3) near2 (lateral\$2 near2 force))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 10:00
S93	554	((determin\$5 or calculat \$3 or find\$3 or estimat \$3 or deriv\$3 or predict \$3) near2 (lateral\$2 adj force))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 10:02
S95	927	((determin\$5 or calculat \$3 or find\$3 or estimat \$3 or deriv\$3 or predict \$3) near2 ((lateral\$2 near2 force) or (cornering adj force) or (side adj force)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 10:04
S96	5	S87 and S95	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 10:05
S97	2	"20080294355"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 10:16

S98	1512	torque with ((lateral\$2 near2 force) or kingpin or caster)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 10:30
S99	3882	torque with ((rolling adj resistance) or (brake adj force) or (driving adj power) or (vertical near2 force))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 10:35
S100	26	S95 and S98 and S99	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 10:35
S101	7467	torque same ((rolling adj resistance) or (brake adj force) or (driving adj power) or (vertical near2 force))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 10:40
S102	2951	torque same ((lateral\$2 near2 force) or kingpin or caster)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 10:40
S103	40	S95 and S101 and S102	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 10:41
S104	927	((determin\$5 or calculat \$3 or find\$3 or estimat \$3 or deriv\$3 or predict \$3) near2 ((lateral\$2 near2 force) or (cornering adj force) or (side adj force)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 15:12
S105	1512	torque with ((lateral\$2 near2 force) or kingpin or caster)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 15:13
S106	109	S104 and S105	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 15:13
S107	3882	torque with ((rolling adj resistance) or (brake adj force) or (driving adj power) or (vertical near2 force))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 15:13

S108	41	S104 and S107	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 15:13
S109	9154	steering adj torque	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 15:36
S110	33	S106 and S109	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 15:36
S111	7	S108 and S109	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 15:37
S112	11118	steering near torque	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 15:51
S113	9	S108 and S112	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 15:51
S114	41	S106 and S112	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 15:52
S115	42326	(lateral\$2 near2 force) or (cornering adj force) or (side adj force)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 16:04
S116	1205	S105 and S115	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 16:04
S117	393	S107 and S115	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 16:04

S118	40	S112 and S116 and S117	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 16:05
S119	143	S112 and S116	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 16:08
S120	53	S112 and S117	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 16:08
S121	2320	restor\$3 near torque	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 16:21
S122	67	S112 and S121	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 16:21
S123	5	S115 and S122	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 16:22
S124	4128	((restor\$3 or self\$1 align \$3) near (torque or moment))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 06:42
S125	928	((determin\$5 or calculat \$3 or find\$3 or estimat \$3 or deriv\$3 or predict \$3) near2 ((lateral\$2 near2 force) or (cornering adj force) or (side adj force)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 06:43
S126	68	S125 and S124	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 06:43

S127	131	((kingping adj inclination) or (caster adj angle)) same ((rolling adj resistance) or (brake adj force) or (driving) or (vertical near2 force))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 06:43
S129	1	S126 and S127	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 06:44
S130	1089	(kingping adj inclination) or (caster adj angle)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 06:44
S131	46199	(kingping) or (caster)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 06:44
S132	2450893	((rolling adj resistance) or (brake adj force) or (driving) or (vertical near2 force))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 06:45
S133	98704	torque with ((rolling adj resistance) or (brake adj force) or (driving) or (vertical near2 force))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 06:45
S134	282	torque with ((kingping) or (caster))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 06:45
S135	3	S126 and S133 and S134	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 06:45
S136	25	S126 and S131 and S132	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 06:49
S137	1649	S124 and S132	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 07:43

S138	3	S127 and S137	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 07:44
S139	67	S133 and S134	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 07:46
S140	10	S124 and S139	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 07:46
S141	5626	torque with ((rolling adj resistance) or (brak\$3 adj force) or (vertical near2 force))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 07:47
S142	91	S124 and S141	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 07:48
S143	32	torque with ((kingping adj inclination) or (caster adj angle))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 07:48
S145	5244	torque with ((rolling adj resistance) or (brak\$3 adj force) or (vertical near force))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 08:02
S146	417	torque with (rolling adj resistance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 08:02
S147	16	S124 and S146	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 08:02
S148	515	torque with (vertical near force)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 08:04

S149	16	S124 and S148	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 08:04
S150	26	torque with (vertical near force) with (lateral adj force)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 08:08
S151	2	S124 and S150	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 08:14
S152	11	((restor\$3 or self \$1align\$3) near (torque or moment))) with (vertical adj force)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 08:20
S153	73	((restor\$3 or self \$1align\$3) near (torque or moment))) with (lateral adj force)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 08:22
S154	3	S152 and S153	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 08:22
S155	11	((restor\$3 or self \$1align\$3) near (torque or moment))) with (rolling adj resistance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 08:23
S156	14	((restor\$3 or self \$1align\$3) near (torque or moment))) with (braking adj force)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 08:24
S157	2	((restor\$3 or self \$1align\$3) near (torque or moment))) with ((kingping adj inclination) or (caster adj angle)) same ((rolling adj resistance) or (brake adj force) or (driving) or (vertical near2 force))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 08:48

S158	1	((restor\$3 or self \$1align\$3) near (torque or moment))) same ((kingpin adj inclination) or (caster adj angle)) with ((rolling adj resistance) or (brake adj force) or (vertical near2 force))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 08:49
S159	1	((restor\$3 or self \$1align\$3) near (torque or moment))) same ((kingpin adj inclination) or (caster adj angle)) with ((rolling adj resistance) or (braking adj force) or (vertical near2 force))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 08:49
S160	68	S124 and S125	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 09:40
S161	126	ratio with (steering near2 force) with torque	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 10:32
S162	0	((lateral adj force) same (transmission adj ratio) same ((kingpin adj inclination) or (caster adj angle)) same ((vertical adj forces) or (rolling adj resistance) or (braking adj force))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 10:44
S163	2	((lateral adj force) and (transmission adj ratio) and ((kingpin adj inclination) or (caster adj angle)) and ((vertical adj forces) or (rolling adj resistance) or (braking adj force))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 10:45
S164	0	((lateral adj force) near ((transmission or steering) adj ratio)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 10:48

S165	10	(lateral adj force) with ((transmission or steering) adj ratio)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 10:48
S166	78	ratio with (steering near force) with torque	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 11:39
S167	39	ratio with ((steering near force) near4 torque)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 11:39
S168	114	total near (lateral adj force)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 11:49
S169	4	S124 and S168	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 11:49
S170	1	S130 and S168	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 11:54
S171	1	(steering near2 force) with ((steering near2 amplif\$7) with (steering adj ratio))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 12:45
S172	1	(steering near2 force) with ((steering near2 amplif\$7) same (steering adj ratio))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 12:46
S173	1	(steering near2 force) same ((steering near2 amplif\$7) same (steering adj ratio))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 12:46
S174	29	"5423391"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 12:50

S175	25	(steering near2 force) with (steering adj angle adj ratio)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 12:51
S176	48692	power near2 steering	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 12:53
S177	9	S175 and S176	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/16 12:53

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